

# **TYTAN<sup>®</sup>**

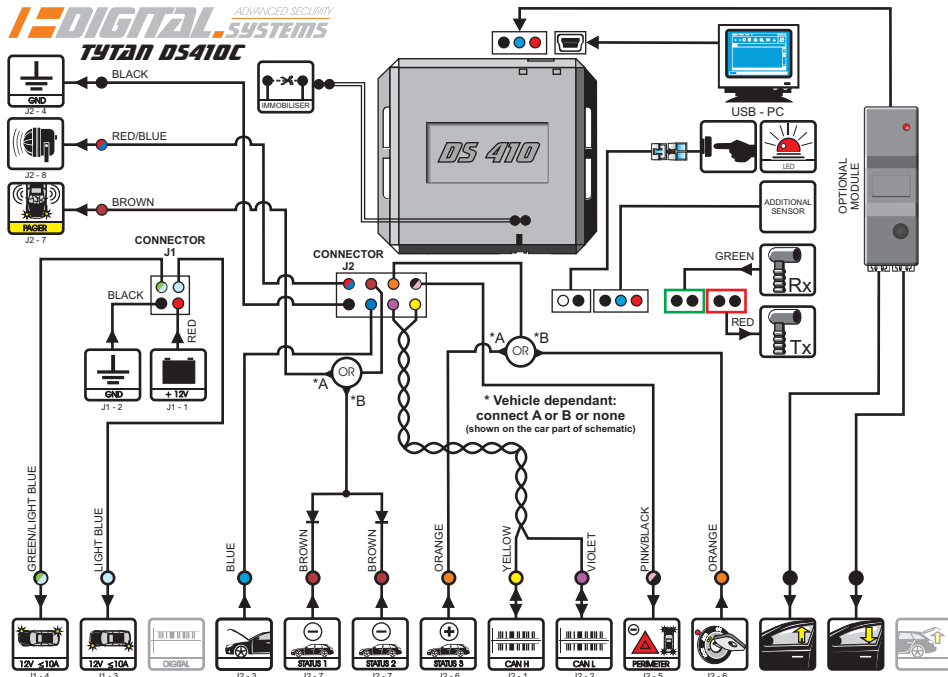
*You can afford the quality*

VEHICLE SECURITY SYSTEM

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**TYTAN DS410 CAN**

manual for version 1141 and higher



VEHICLE SECURITY SYSTEM **TYTAN DS410 CAN** CAN IS CONTROLLED BY OEM REMOTE CONTROLS (CAR'S ORIGINAL EQUIPMENT)

### EXAMPLARY OEM REMOTES



(without trunk release button)



(with trunk release button)



close central locking



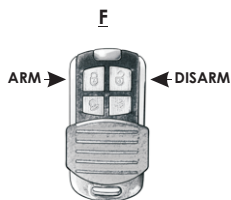
open trunk



open central locking

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IF THE EXTERNAL RF MODULE IS INSTALLED **TYTAN DS410 CAN** CAN BE ALSO CONTROLLED BY TYTAN REMOTE CONTROLS.



### **Features of the *TYTAN DS410 CAN* vehicle security system**

- the VSS is controlled by OEM remote controls (vehicle's original equipment), up to 2 additional **TYTAN** remote controls (\*),
- trunk release button logic (OEM remote),
- monitoring of all doors, trunk, bonnet switches,
- vehicle interior protection (\*) - built in ultrasonic sensor
- control of vehicle central door locking system by **TYTAN** remotes (\*),
- automatic power window roll-up (\*) when the VSS is armed (comfort function),
- VSS can be armed without: ultrasonic interior protection (\*), additional sensors (\*), power window roll-up(\*),
- signalisation if door / trunk / bonnet is open when arming (\*) (door ajar),
- selectable silent / audible (\*) confirmation of arming / disarming,
- passive arming (\*) w/wo automatic central door locking (\*),
- ignition safety door lock (\*) - automatic central door locking / unlocking during drive-coded (\*) emergency override procedure without remotes,
- valet (service) mode,
- signalisation if the alarm was triggered when setting the VSS,
- state of the system is memorised in non-volatile memory and is preserved during power-off,
- the source of 5 previous alarm cycles is kept in non-volatile memory,
- compatible with keyless digital back-up siren,
- REARMING function,
- IMMOBILISER function (\*) (RF module with **JOKER** required),
- Anti-hijack function (\*) (RF module with **JOKER** required),


#### **IMPORTANT!**

The (\*) symbol describes optional function/feature of the VSS which is dependent on the vehicle model and VSS configuration.


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# USER MANUAL


## ARMING THE VSS

Press the  button on the remote - direction indicators blink and single siren chirp (\*) confirms the vehicle security system is arming and the central door locking is locked. The LED will light constantly and after 10 seconds it will start to blink slowly.

## ARMING WITH INTERIOR MOTION DETECTOR AND ADDITIONAL SENSOR DISABLED

If the VSS is armed with any person or animal in the vehicle, their movement will trigger the alarm. To avoid such situation, the system can be armed without interior motion detector and additional sensors. To do so, before arming the system - press and hold the PA button until the LED starts to blink rapidly. Exit the vehicle, close all doors and press the  button of the remote - two siren chirps confirm arming without interior motion detector and additional sensor. Direction indicators blink confirms the vehicle security system arming and the central door locking is closed. The LED will light constantly and after 10 seconds it will start to blink slowly.

## DISARMING AND OPENING THE CENTRAL DOOR LOCKING SYSTEM


Press the  button of the remote - blink of the direction indicators and double siren chirp (\*) confirms disarming of VSS and unlocking central door locking system. The status LED will start blinking until any door is opened and then will go off.

If the alarm was triggered during the driver's absence, the VSS signals it with three siren chirps.

### **IMPORTANT!**

If after disarming neither doors nor trunk is opened within 30 seconds the system rearms automatically.

## TRUNK RELEASE BUTTON LOGIC

In case of remote control with trunk release button  its press will open the boot and turn off the protection on trunk switch, interior motion detector and additional sensors. That state is confirmed by fast blinking of the LED. Closing the boot brings the security system again into the set state.

### **IMPORTANT!**

This feature is car dependent.

## REARMING



After disarm, the LED will start blinking. If neither doors nor trunk were opened within the specified time, the disarming would be treated as accidental and the VSS will rearm again, closing the central door locking system. If any door or trunk were opened, the rearming countdown is cancelled and the LED goes off.

## DOOR OPEN WARNING (WHEN ARMING)

If any doors, bonnet or trunk is not closed when arming, the VSS signalises it with three siren chirps. The system will be armed, but the opened door / bonnet / trunk will not be monitored (will not trigger the alarm).



## ALARMING / DISARMING THE VSS DURING THE ALARM

If the VSS is armed and any door, trunk or bonnet switch, additional sensor, ultrasonic motion detector or ignition is triggered, the VSS starts a 30-second alarming cycle - blinking the direction indicator lights and emitting sounds with electronic siren. From triggering of the alarm till disarming the system with remote the LED blinks quickly, 2 times faster than in untriggered armed mode. After 30 seconds, the system stops the alarm cycle. Further triggering of sensors starts another alarm cycle. Every input can cause up to 4 alarm cycles and then it is blocked.

During alarm cycle, pressing  button ends the alarm, but the vehicle remains locked and the VSS remains armed. During alarm cycle, pressing  button stops the alarm, disarms the VSS and opens the vehicle.

## IGNITION SAFETY DOOR LOCK - Automatic central door locking during drive



On a demand, the installer can enable the ignition safety door lock function of the VSS.

If enabled, then 8sec. after turning the ignition on (all doors closed) the central door lock will be locked (the doors can not be opened from the outside). Switching the ignition off unlocks the central door locking system. Pressing the  or  buttons on **TYTAN** remotes with the ignition on locks or unlocks the door locking system. If the door locks are unlocked with the ignition on, then 8 seconds after opening and closing any passenger's door the central door locks will be locked again.

If driver's door is opened when the ignition is switched on, the Ignition Safety Door Lock function will be disabled, until the ignition is switched off and on again.

Switching the ignition off unlocks the central door locking system.

### CENTRAL LOCKING / UNLOCKING DOORS WHEN DRIVE

Press the  button on **TYTAN** remote with the ignition on to lock central door locking system. Press the  button on **TYTAN** remote with the ignition on or switch the ignition off to unlock the central door locking system. These operations are not signalled by hazard lights nor siren nor LED.

**IMPORTANT! If the VSS is configured with the Ignition Safety Door Lock function, please check its description in further part of this manual!**

### EMERGENCY DISARMING OF THE SECURITY SYSTEM

**TYTAN DS410 Can** has a procedure of emergency unsetting the security system in case the remote control is inoperative or not available (not working or lost).

In order to unset the system with PIN code:

1. Open the door with the key (the alarm will sound).
2. Turn the ignition on.
3. Press the PA button number of times equal to the first digit of your PIN code (intervals between pressing of PA button have to be less then 1 second).
4. Wait 2 seconds - the VSS confirms entering of PIN code digit via 1 second LED blink.
5. Repeat steps 3-4 for each of the remaining 3 digits of your PIN code.

**If the PIN code is correct the alarm will disarm itself**


The default PIN is 1111. The code can be individually programmed for a given car by installer during installation procedure.

### PASSIVE ARMING (\*) / AUTOMATIC CENTRAL DOOR LOCKING (\*)



On a demand, the passive arming (\*) with or without automatic central door locking (\*) can be enabled.

Passive arming function arms (switches on) the VSS automatically.

With the ignition off, opening and closing driver's door starts the timer of **passive arming** procedure. it is signalled by a single siren chirp. 12sec. later, the alarm arms automatically, signalling it with LED, siren chirp (\*) and hazard lights. The central door locks remain unlocked driver can still get into the vehicle.

Passive arming can be stopped if the  button is pressed in the 12sec. period after closing driver's door. Cancel of passive arming is signalled by double siren chirp - passive arming will not occur.

If the **automatic central door locking (\*)** is enabled, the door locking occurs 8sec. after passive arming of the VSS and is signalled by single siren chirp.

During that 8 seconds period between passive arming and automatic locking, press of the  button locks the vehicle (confirmed by single siren chirp); press of the  button disarms the VSS, unlocks the vehicle and cancel the passive arming.

The sequence of events (first passive arming with chirp, then automatic central door locking) prevents from locking the keys inside vehicle.

### IMMOBILISER

On a demand (RF module with **JOKER** required) the passive immobiliser function of VSS can be enabled. This function does not permit to start the engine (even if the VSS is in disarmed state) 25 seconds after turning the ignition off.

In order to start the engine the passive immobiliser has to be authorised in one of two ways:

1. Press the **PA** button for approximately 1 second.
2. Use the **JOKER** remote (option).

If the engine has been immobilised the LED blinks 2 times per 2 seconds. If the immobiliser is authorised, the LED goes off and the vehicle is ready to go.

The immobiliser feature cannot stop the car during drive and is a safe protection against unauthorised copying or theft of OEM car keys.

### ANTI-HIJACK FUNCTION

On a demand (RF module with **JOKER** required) the anti-hijack function can be enabled. This function prevents from stealing a car after an assault on driver. Anti-hijack function has to be authorised after every open of driver's door (even during drive). Without the authorisation the car will be stopped in a safe procedure.

The LED blinks once every 2 seconds when the system is waiting for the authorisation.

The anti-hijack function can be authorised in two ways:

1. Press the **PA** button for approximately 1 second.
2. Use the remote **JOKER** remote.

The authorisation of anti-hijack function is confirmed by single 2 seconds pulse on LED.

If the anti-hijack is not authorised and the ignition is switched on, the LED goes off and the VSS starts to wait for the RF transmission from **JOKER** remote.



If, during 45 seconds after turning the ignition on the VSS does not receive any information from the **JOKER** remote, the anti-hijack procedure goes as described below:

1. The sirens starts to play short double chirps. The interval between consecutive double chirps constantly decreases as the anti-hijack process goes on. This state is signalled by with short blink of LED every 2 seconds.
2. **If during next 45 seconds** the anti hijack is not authorised, the vehicle will be stopped. The direction indicators will start to blink, the siren will be turned on. The LED blinks as above.
3. **After next 5 seconds** the car can be started for 10 seconds to drive off the road.
4. **After 30 seconds** the siren goes off. However the car is still stopped, the direction indicators and LED blinks until the anti-hijack is authorised.

If there is a need to leave the car with the engine running without starting the anti-hijack procedure, the following sequence has to be completed:

1. Enter the car and close all doors.
2. Start the engine.
3. In 10 seconds from starting the engine, open driver's door and press the PA button twice. The LED starts to blink.
4. Get off the car and close the door, the anti-hijack function is temporarily disabled until next opening of door - so after returning to the vehicle, the anti-hijack has to be authorised.

## INSTALLATION MANUAL

### GENERAL NOTES

- **TYTAN DS410 CAN** Vehicle Security System (VSS) is intended to use in all combustion engine cars, with 12V supply system and negative ground. The **TYTAN DS410 CAN** security system must be installed according to the manufacturer's requirements and documentation.
- It is suggested to install the security system only by an authorized person or company. The list of authorised installers can be obtained from manufacturer or distributor of **TYTAN DS410 CAN**. It should be checked, if the installation certificate, delivered with the system has been filled in by the installer.
- The system is compatible with CAN bus traffic in most modern vehicles. However, the VSS central unit has to be programmed for a given make and model of a car before installation in order to work properly. Default setting is for the Volkswagen Golf V /Golf VI, Volkswagen Jetta, Volkswagen Passat B6, Volkswagen Touran, Volkswagen Tiguan, Skoda Octavia II, Skoda Superb Seat Leon, Toledo, Volkswagen Golf VI and others.

- The installer must fulfil all the general requirements concerning safety at work during car service procedures.
- Before installing the vehicle security system **the negative terminal of the battery must be disconnected**. If for some reasons disconnecting the battery is impossible, during the installation **the cable loom must be disconnected from VSS central unit**.
- All the connections must be isolated, the wires must be protected against abrasion to prevent any short circuit the vehicles electronics.
- The installed VSS central unit must not be exposed for contact with water, petrol, grease, oil, and other chemical substances. It is suggested **to place the central unit** in a well hidden place **inside the car**, preferably under the dashboard. The central unit should be attached with straps or screws to a flat surface.
- The siren should be installed in engine chamber in a place, where it would be protected from extensive dirt and direct flow of water.

### IGNITION SWITCH STATE DETECTION METHODS

The VSS can detect ignition switch state via two methods:

1. CAN-bus ignition switch state detection - reads the switch status via CAN  
This method is very convenient as it does not require finding the ignition circuit in the car.
2. Additional analogue detection of ignition switch state (connect the orange wire to ignition circuit). This increases the protection against e.g. CAN-bus tamper.

#### **IMPORTANT!**

For some vehicles, the DS410 VSS uses the orange wire to monitor the additional analogue status signals. Check the installation diagram for particular vehicle. In these vehicles the orange wire CANNOT be connected to ignition circuit. It MUST be connected according to installation diagram.

### DUAL FUNCTION LINES

The already mentioned ignition input (orange wire) and pager (horn) relay (brown wire) output are two-functional. For some cars the orange wire becomes an input of additional +12V signals from car (e.g. trunk release actuator input) whereas the brown wire becomes an input of additional GND signal (e.g. door lock switch status signal).

**Always check the installation diagram for particular car!**

## PROGRAMMABLE AND OPTIONAL FEATURES OF *TYTAN DS410 Can*

### **CAN bus control**

In some cars, the DS410 can control the vehicle electric systems via CAN bus - it can blink the direction indicators, roll-up windows and open/close central door locking system (with Tytan remote) via CAN bus. In case of CAN bus control, the analogue wires concerning these functions do not need to be connected to the vehicle.

### **Digital Siren**

The system can work with a dedicated battery back-up siren with a digital link. Such siren alarms when a power supply is taken off when the system is armed and does not react on power-off when the system is disarmed. The main advantage of such siren is lack of a key-switch, allowing to install it in a well hidden place.

### **Speaker horn** (siren without internal electronics)

The DS410 can work with a simple siren with no internal electronics (no modulation circuit). Such a siren is simply an electrodynamic speaker, often named speaker horn.

### **OEM alarm detection**

If the car is equipped with the OEM security system, the start of the OEM alarm cycle can trigger the alarming in Tytan DS410 VSS. That feature allows the DS410 to protect the car using the OEM motion detector and OEM towing detector.

**IMPORTANT:** In case the OEM motion detector is ultrasonic (e.g. VW Passat, Seat Ibiza) it can interfere with DS410 ultrasonic motion detector (false alarms). In such case, do not connect ultrasonic remote and receiver to DS410 and enable OEM alarm detection.

### **Window roll-up**

The DS410 can roll-up the OEM power windows after VSS arming. Setting the roll-up time and enabling CAN bus control allows to roll-up windows via CAN in some cars (e.g. VW/Audi/Seat/Skoda, Mercedes, Mitsubishi vehicles).

If the additional RF / analogue output module is installed, the roll-up time sets the pulse length on central door locking negative control output of the module.

### **Analogue central door lock control module**

The module has two dedicated low-current negative control outputs. They allow to lock/unlock vehicle central door locking system and/or roll-up windows by analogue signals.

### Ignore CAN-bus ignition signal

- 1 – no (default) - system uses CAN-bus ignition and ACC signals,
- 2 – ignore ACC - system ignores ACC CAN-bus signal,
- 3 – ignore ACC and IGN - system ignores ACC and ignition CAN-bus signals.

### RF module

(arming / disarming and central door lock control via **TYTAN** remotes)

The DS410 can be armed/disarmed by the **TYTAN** remotes if the additional RF (radio receiver) module is connected to the rear connector of 2nd additional sensor. The RF module has two dedicated low-current negative control outputs. They allow to lock/unlock vehicle central door locking system and/or roll-up windows by analogue signals.

## **TYTAN DS410 CAN CONFIGURATION SOFTWARE FOR PC**

The central unit is programmed via a dedicated PC software and a USB cable. The software can:

- select the car make and model,
- set the sensitivity of ultrasonic motion sensor,
- enable car control by CAN (VSS sends CAN frames which control hazard lights window roll-up and central door locking on certain cars,
- enable OEM alarm detection,
- configure the VSS to work with keyless digital siren,
- program the emergency disarming PIN code for the VSS,
- read the reason of 5 previous alarms,
- VSS central unit firmware update (in case there is a upgrade available),
- set the ignition safety door lock,
- set the passive arming / automatic central door locking ,

The central unit has to be connected with a PC via mini USB cable. When the unit is connected for the first time, the USB device drivers will be automatically installed. The system will ask where the drivers are located on disc. The software is easy and intuitive to operate. It realises the operations described above.

DS410 programmer - version: 1.31 (DS410 0000-1141)

**DIGITAL SYSTEMS** ADVANCED SECURITY

DS410 version: 1141

Make:

Model:

Vehicle type: 3  AUDI SEAT SKODA VOLKSWAGEN

Ultrasonic detector sensitivity: 5

Control by CAN: no

OEM alarm detection: no

Siren type: analogue

Windows roll-up time: 0

Rear 3-pole connector: additional sensor

Audible confirmation: no

Reverse gear signal: no

Ignition safety door lock: no

Passive arming / automatic door locking: no

Ignore CAN bus ignition signal: no

Type of car protection against theft: Engine Lock (engine is immobilised when the al

Immobiliser: disabled

Pin code:  PIN

Alarm memory:  none

none

none

none

none

Pic. 1. The screenshot of DS410 configuration software.

## **VEHICLE SECURITY SYSTEM (VSS) SERVICE MODE**

**(reading the reason of alarms, testing CAN and analogue system inputs, testing and setting sensitivity of ultrasonic motion detector, programming and testing Tytan remotes)**

The VSS has a dedicated service mode which has 5 stages: (1) reading and erasing the memory of 5 previous alarm cycles, (2) testing door, trunk and bonnet switches, (3) testing 2 additional sensor inputs, (4) testing and setting sensitivity of ultrasonic motion detector, (5) programming and testing of Tytan remotes.

### **In order to enter the service mode**

1. Switch off the ignition.
2. Switch on the ignition.
3. Press and hold the PA button.
4. After approx. 10 seconds, the siren will chirp 1x. Release the PA button. The system is in the service code, stage 1 – reading the memory of 5 alarm cycles.

### **In order to leave the service mode switch off the ignition.**

#### **Stage I – reading the memory of 5 previous alarm cycles**

- The VSS signals sequentially the reason of 5 previous alarm cycles by blinking the LED
- The reason of the last alarm cycle is additionally signalled by a single siren chirp.
- The number of LED blinks informs about the input which have caused the alarm:
  - 1x – left front door switch (signal read from CAN-bus),
  - 2x – other doors switches (signals read from CAN-bus),
  - 3x – OEM bonnet switch (signal read from CAN-bus),
  - 4x – additional bonnet switch (analogue connection),
  - 5x – trunk switch (signal read from CAN-bus),
  - 6x – internal ultrasonic motion detector,
  - 7x – additional sensor 1 (socket in the front of VSS),
  - 8x – additional sensor 2 (socket in the rear of VSS),
  - 9x – ignition switch,
  - 10x – oem alarm,
  - 11x – trigger from positive input (orange wire, Opel Meriva).

In order to go to stage II, press and hold the PA button (approx. 3 seconds) until siren chirps 2x.

### **Stage II – testing door, trunk and bonnet switches (LED periodically blinks 2x)**

- Triggering any of these inputs (e.g. opening of door) is signalled by single chirp of siren.
- If there is only one input triggered, release of that input (e.g. closing the door) is not signalled.
- If more then one input is triggered (e.g door and trunk ), releasing that input (e.g closing door) is also signalled by single siren chirp.

in order to go to stage III, press and hold the PA button (aprox. 3 seconds) until siren chirps 3x.

### **Stage III – testing additional sensor (LED blinks 3x)**

- Triggering additional sensors (e.g. shock sensor) connected to front and rear sensor sockets is signalled by single chirp of siren.
- If there is only one input triggered, release of that input is not signalled.
- If more then one input is triggered releasing that input is also signalled by single siren chirp.

In order to go to stage III, press and hold the PA button (aprox. 3 seconds) until siren chirps 4x.

### **Stage IV – setting sensitivity and testing of internal ultrasonic motion detector**

- Detection of movement inside car is signalled by series of short siren chirps.
- The LED displays the current setting of sensitivity as a number of blinks (1-8).
- Short press of PA changes the sensitivity of internal ultrasonic motion detector (8 levels) in a sequence (1-2-3-4-5-6-7-8-1-2-3-4...).

**After setting / testing ultrasonic motion detector, the service mode should be left by switching off the ignition, if the user did not want to erase / program / test *TYTAN* remotes nor the RF module was not installed.**

Otherwise, press and hold the PA button for 3 seconds until siren chirps / LED blinks 5 times

### **Stage V - testing and/or erasing/programming new remotes**

**5.1.** After releasing PA button, the LED lights up for 8 seconds.

- Wait 8 seconds the programming is skipped. Transmitters **are not** erased from memory and the VSS enters the transmitter testing mode (5.3).
- Press the PA 5 times when the LED is lit - the previously stored remotes are erased from memory - the VSS enters the remote programming mode.

## 5.2. Programming new remotes and Jokers (Jokers must be turned OFF)

- The LED lights up for 5 seconds
  - a.** Press any button of the 1st remote --> the LED turns off. Remote No. 1 is programmed!!!
  - or b.** Short press the button PA --> The LED turns off instantly. Remote no. 1 is not programmed!!!
- The LED lights up for 5 seconds
  - a.** Press any button of the 2nd remote --> the LED turns off. Remote No. 2 is programmed!!!
  - or b.** Short press the button PA --> The LED turns off instantly. Remote No. 2 is not programmed!!!
- The LED lights up for 5 seconds
  - a.** Press the button of the 1st Joker --> the LED turns off. Joker No. 1 is programmed!!!
  - or b.** Short press the button PA --> The LED turns off instantly. Joker no. 1 is not programmed!!!
- The LED lights up for 5 seconds
  - a.** Press the button of the 2nd Joker --> the LED turns off. Joker No. 2 is programmed!!!
  - or b.** Short press the button PA --> The LED turns off instantly. Joker No. 2 is not programmed!!!

If the programming was OK, the VSS would enter transmitter testing mode.

Otherwise, the siren chirps/LED blinks 3 times and the programming is repeated (5.2). Switching off the ignition exits the programming mode.

## 5.3. Transmitter testing mode

Single siren chirp and single LED blink confirms entering the transmitter testing mode.

As long as the ignition is switched on, pressing any button on any programmed remote is signalled by 2 LED blinks and 2 siren chirps.

Press the PA button 3 times to repeat programming new remotes (5.2)

Switching off the ignition exits the transmitter testing mode and the service mode.



## INSTALLATION CERTIFICATE

I, the undersigned.....  
a professional installer, certify the installation of security system

### ***TYTAN DS410***

described below was made by me, according to installation manual supplied by  
the manufacturer of the security system.

Description of the vehicle

Brand: .....

Type: .....

Vehicle no.: .....

Registration no.: .....

Description of the security system

Brand: ***TYTAN***

Type: ***DS410***

Certificate no: **E20 97RA-01 2469**

Draw up in: ..... Date: .....

Installer's full address:

.....

.....

Signature: .....

certificate

# WARRANTY CARD

<b>ALARM MODEL</b>  <b><i>TYTAN DS410 CAN</i></b>	certificate no:  E20 97RA-01 2469	<b>SERIAL NUMBER</b>  (21)□□□□□□
<b>VENDOR - INSTALLER - GUARANTOR</b>  stamp - legible signature	<b>DATE INSTALLED</b>	
<b>VEHICLE OWNER</b>  name: first name: address:	<b>VEHICLE DATA</b>  brand vehicle no.: registration no.:	

# WARRANTY INSPECTION

<b>Warranty review after 1st year of operation</b>  date, stamp, legible signature	<b>Warranty review after 2nd year of operation</b>  date, stamp, legible signature
<b>Warranty review after 3rd year of operation</b>  date, stamp, legible signature	<b>Warranty review after 4th year of operation</b>  date, stamp, legible signature

Dear Customer,

Thank you for choosing **DIGITAL SYSTEMS** products. Let us guarantee you a faultless operation of the product in accordance with technical and operating conditions described in the instruction manual. Should you require assistance of our warranty service, please contact the dealer or an Authorized Installer. For the list of Authorized Installers enter our website ([www.digitalsystems.com.pl](http://www.digitalsystems.com.pl)).

#### YOUR WARRANTY

This warranty concerns and was attached to a **DIGITAL SYSTEMS** product on the day of the purchase, provided that the purchase was made within the warranty area.

**DIGITAL SYSTEMS** company guarantees that the product is free from any material and design faults and gives a 60-month (5-year) warranty. The warranty period for alarm siren and remote controls is 12 months.

I) The 60 month warranty shall be honoured only on the condition that annual (paid) inspections are made and confirmed with the brand stamp of an Authorized Installer

II) Warranty repair shall be performed free of charge within the shortest period of time possible (no more than 14 workdays from the date of taking the product for repair - upon presenting the valid warranty card and the receipt)

III) The warranty card is valid on the condition that it is made on the original form and contains the following information: type of the product, serial number, date of sale, stamp and signature of the dealer.

If the product is found to be faulty within the warranty period (from the date of the purchase), **DIGITAL SYSTEMS** or an Authorized Installer (within the warranty area) shall repair the product free of charge or (if **DIGITAL SYSTEMS** so decides) exchange the faulty product or its damaged parts according to the terms and conditions specified below.

This guarantee does not exclude, restrict or suspend the rights of the buyer arising out of nonconformity of product with contract.

#### TERMS AND CONDITIONS

1. The warranty is valid only within the territory of the Republic of Poland.

2. To be covered by this warranty the defective product must be supplied with the valid receipt. **DIGITAL SYSTEMS** and Authorized Installers reserve the right to refuse providing warranty service in case of lack of documents specified above, or in case the information on the documents is incomplete or illegible.

3. The warranty shall not be honoured in case the device type or serial number placed on the product has been changed, obliterated or removed.

4. The warranty shall not be honoured in case the seal placed on the product has been removed or damaged.

5. The warranty covers only the device, not the way it was installed.

6. The warranty does not apply to the following:

- a) repair or replacement of parts or sub-assemblies resulting from normal wear and tear;
- b) spare parts (parts planned to be exchanged, e.g. batteries, fuse, etc.);
- c) damage resulting from:

- I) misuse of the product;

- II) installation made not in accordance with the manual;

- III) repair conducted by anyone other than **DIGITAL SYSTEMS** staff member or an Authorized Installer;

- IV) changes or alterations made to the product without prior consent of **DIGITAL SYSTEMS**;

- V) negligence;

- VI) accident, fire, liquid, humidity or chemicals effects, flood, excessive heat, electrical discharge or any external force.

7. **DIGITAL SYSTEMS** does not bear responsibility for any damage resulting from burglary or vehicle theft.

#### LIMITATIONS

With the exception of the above conditions: **DIGITAL SYSTEMS** does not give warranty concerning quality of the products. In case of the above limitation is not fully allowed by the valid regulations, **DIGITAL SYSTEMS** reserves the right to limit its warranty terms and conditions to the boundaries allowed by the valid regulations. **DIGITAL SYSTEMS** is only obliged to repair or exchange faulty product according to the terms and conditions of this warranty. **DIGITAL SYSTEMS** does not bear any responsibility for loss or damage concerning products, service, warranty or other, including economic and incorporeal losses.

Guarantor/manufacturer: **DIGITAL SYSTEMS** Sp. Jawna, 84-230 Rumia, ul. Sędzickiego 57, Poland

VEHICLE SECURITY SYSTEM

**TYTAN®**

*You can afford the quality*